

9 ABBREVIATIONS AND ACRONYMS

ACP	Atmospheric Chemistry Program
AEROCE	Atmospheric/Ocean Chemistry Experiment
AIR	atmospheric ionizing radiation
ANSI	American National Standards Institute
ANWAP	Arctic Nuclear Waste Assessment Program
AOS	Aerosol Observation System
APRF	U.S. Army Pulse Radiation Facility
ARL	Australian Radiation Laboratory
ARM	Atmospheric Radiation Measurement
ASP	Analytical Services Program
AUTORAMP	Automatic Remote Atmospheric Measurements System
BCMS	beaded carbon molecular sieve
BEIR	Committee on the Biological Effects of Ionizing Radiation
BNL	Brookhaven National Laboratory
BSM	beaded scintillation material
CART	cloud and radiation testbed
CCE	Cerenkov counting efficiency
CDIAC	Carbon Dioxide Information Analysis Center
CE	counting efficiency
CGAWBO	Chinese Global Atmospheric Watch Baseline Observatory
CMDL	Climate Monitoring and Diagnostics Laboratory
CPC	condensation particle counter
D-D	deuterium-deuterium
DLR	German Air and Space Research Institute
DNA	Defense Nuclear Agency
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy

Abbreviations and Acronyms

DORT	discrete ordinates transport code
DQO	data quality objective
DREO	Defense Research Establishment, Ottawa
D-T	deuterium-tritium
EEs	extraction efficiencies
EH	DOE Office of Environment, Safety and Health
EM	DOE Office of Environmental Management
EML	Environmental Measurements Laboratory
EPA	U.S. Environmental Protection Agency
FMSF	Fissile Material Storage Facility
4PI	four-parallel impactor
GAW	Global Atmospheric Watch
GchM	Global Chemistry Model
GCM	General Circulation Model
GSA	graded screen array
HASP	High Altitude Sampling Program
HEU	highly-enriched uranium
HPGe	high purity germanium
HSCT	high-speed civil transport
HSD	Human Subjects Research Database
IAEA	International Atomic Energy Agency
ICP-AES	Inductively Coupled Plasma Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma Mass Spectroscopy
ICPP	Idaho Chemical Processing Plant
ICRP	International Commission on Radiological Protection
ICRU	International Commission on Radiation Units and Measurements
IEEE	Institute of Electrical and Electronics Engineers
IGAC	International Global Atmospheric Chemistry

Abbreviations and Acronyms

IIP	International Intercalibration and Intercomparison Program
IL	Isotope Laboratory
INEL	Idaho National Engineering Laboratory
IRMP	International Radon Metrology Program
JCCEM	Joint Coordinating Committee for Environmental Restoration and Waste Management
JSC	Johnson Space Center
LAHET	Los Alamos High Energy Transport Code
LAN	local area network
LANL	Los Alamos National Laboratory
LaRC	Langley Research Center
LBL	Lawrence Berkeley Laboratory
LLD	lower limit of detection
LS	liquid scintillation
MACS	marine aerosol characterization study
MAPEP	Mixed Analyte Performance Evaluation Program
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MCA	multichannel analyzer
MDL	minimum detectable level
MINATOM	Russian Ministry of Atomic Energy
MLO	Mauna Loa Observatory
MOHAVE	measurement of haze and visual effects
MNS	multisphere neutron spectrometer
MOUDI	micro-orifice uniform deposit impactor
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NCRP	National Council on Radiation Protection and Measurements
NIST	National Institute of Standards and Technology

Abbreviations and Acronyms

NOAA	National Oceanic and Atmospheric Administration
NRC	Nuclear Regulatory Commission
NRPB	National Radiation Protection Board
NVLAP	National Voluntary Laboratory Accreditation Program
OHER	Office of Health and Environmental Research
OPC	optical particle counter
ORNL	Oak Ridge National Laboratory
PAEC	potential alpha energy concentration
PCB	polychlorinated biphenyl
PIC	pressurized ionization chamber
PNNL	Pacific Northwest National Laboratory
PNTD	plastic nuclear track detector
PPPL	Princeton Plasma Physics Laboratory
PVB	polyvinylbenzene
PVT	polyvinyltoluene
QA	quality assurance
QAP	Quality Assurance Program
QA/SAC	Quality Assurance/Science Activity Center for the Americas
QC	quality control
RAMP	Remote Atmospheric Measurements Program
RAMS	Remote Atmospheric Measurements Systems
RARAF	Radiological Research Accelerator Facility of Columbia University
RCCC	Radiological Control Coordinating Committee
RESL	Radiological and Environmental Science Laboratory
RMC	Royal Military College of Canada
ROI	region of interest
RWMC	Radioactive Waste Management Complex
SASP	Surface Air Sampling Program

Abbreviations and Acronyms

SEM	Scanning Electron Microscopy
SGP	Southern Great Plains
TAOS	Trans-Arctic Ocean Section
TEPC	tissue-equivalent proportional counter
TFTR	Tokamak Fusion Test Reactor
TLD	thermoluminescent dosimetry
TLDs	thermoluminescent dosimeters
TPM	Technical Program Manager
TPU	total propagated uncertainty
TTP	Technical Task Plan
UOM	University of Miami
WL	working level
WMO	World Meteorological Organization
WSSRAP	Weldon Spring Site Remedial Action Project